AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

- 1. (Currently Amended) A method of repairing a crack in at least one side of a dovetail portion of a generator rotor coil slot wall, the dovetail portion having received at least two axially adjacent steel wedges and including at least a radial entry surface, an inwardly tapered surface and an intermediate radial surface, the method comprising:
- a) machining a groove at least partly along said inwardly tapered surface and radially along said radial entry surface to remove damaged material from said coil slot wall; and
 - b) replacing said at least two axially adjacent steel wedges.
 - 2. (Cancelled).
- 3. (Original) The method of claim 1 wherein step b) includes replacing the steel wedges with aluminum wedges.
 - 4. (Original) The method of claim 1 wherein said groove is concave.

5. (Original) The method of claim 1 wherein said groove stops short of a radially inner edge of said inwardly tapered surface.

6. (Original) The method of claim 1 wherein said groove has a depth of about 0.06 inch.

7. (Original) The method of claim 1 wherein said groove is about 0.37 inch wide.

8. (Currently Amended) The method of claim 1 A method of repairing a crack in at least one side of a dovetail portion of a generator rotor coil slot wall, the dovetail portion having received at least two axially adjacent steel wedges and including at least a radial entry surface, an inwardly tapered surface and an intermediate radial surface, the method comprising:

a) machining a groove at least partly along said inwardly tapered surface to remove damaged material from said coil slot wall; wherein said groove extends to a radially inner edge of said inwardly tapered surface; and wherein the method further comprises

<u>b)</u> machining a second groove in said intermediate radial surface in an orientation transverse to said first groove; and

c) replacing said at least two axially adjacent steel wedges.

- 9. (Original) The method of claim 8 wherein step a) includes extending said groove radially along said radial entry surface.
- 10. (Original) The method of claim 9 wherein said second groove extends about 0.25 inch on either side of said groove.
- 11. (Original) The method of claim 9 wherein said groove is about 0.37 inch wide.
- 12. (Original) The method of claim 11 wherein said groove has a depth of about 0.06 inch.
 - 13. (Original) The method of claim 1 wherein edges of said groove are radiused.
- 14. (Original) The method of claim 8 wherein edges of said groove and said second groove are radiused.
- 15. (Currently Amended) The method of claim 1 wherein steps a), and b) and c) are carried out on an opposite side of said coil slot wall as a preventative measure.
- 16. (Original) A method of repairing a crack in at least one side of a dovetail portion of a generator rotor coil slot wall, the dovetail portion adapted to receive at least two axially adjacent steel wedges and including at least a radial entry surface, an inwardly tapered surface and an intermediate radial surface, the method comprising:

a) machining a first concave groove in said radial entry surface and only partly along said inwardly tapered surface to remove damaged material from said coil slot wall; and

b) replacing said at least two axially adjacent steel wedges with aluminum wedges, such that said groove is centered on a butt joint between two axially adjacent replacement wedges.

- 17. (Original) The method of claim 16 wherein said groove has a depth of about 0.06 inch and a width of about 0.37 inch.
- 18. (Original) The method of claim 16 wherein edges of said first groove are radiused.
- 19. (Original) The method of claim 16 wherein steps a) and b) are carried out on an opposite side of said coil slot wall as a preventative measure.
- 20. (Original) A method of repairing a crack in at least one side of a dovetail portion of a generator rotor coil slot wall, the dovetail portion adapted to receive at least two axially adjacent steel wedges and including at least a radial entry surface, an inwardly tapered surface and an intermediate radial surface, the method comprising:

- a) machining a first groove in said radial entry surface and along said inwardly tapered surface;
- b) machining a second groove in said intermediate radial surface in an orientation transverse to said first groove; and
- c) replacing said two axially adjacent steel wedges with aluminum wedges, such that said groove is centered on a butt joint between two axially adjacent replacement wedges.
- 21. (Original) The method of claim 20 wherein said first and second grooves are concave in cross section.
- 22. (Original) The method of claim 20 wherein edges of said first and second grooves are radiused.
- 23. (Original) The method of claim 20 wherein said first groove has a depth of about 0.06 inch.
- 24. (Original) The method of claim 20 wherein said first groove is about 0.37 inch wide.
- 25. (Original) The method of claim 20 wherein said second groove extends about 0.25 inch on either side of said first groove.

- 26. (Original) The method of claim 20 wherein steps a) and b) are carried out on an opposite side of said coil slot wall as a preventative measure.
 - 27. (Original) A generator rotor repaired according to the method of claim 1.
 - 28. (Original) A generator rotor repaired according to the method of claim 16.
 - 29. (Original) A generator rotor repaired according to the method of claim 20.
- 30. (New) The method of claim 1 wherein step b) includes replacing the steel wedges with wedges of the same material.
- 31. (New) The method of claim 8 wherein step b) includes replacing the steel wedges with wedges of the same material.
- 32. (New) The method of claim 8 wherein step b) includes replacing the steel wedges with aluminum wedges.
- 33. (New) A method of repairing a crack in at least one side of a dovetail portion of a generator rotor coil slot wall, the dovetail portion adapted to receive at least two axially adjacent steel wedges and including at least a radial entry surface, an inwardly tapered surface and an intermediate radial surface, the method comprising:

- a) machining a first concave groove in said radial entry surface and only partly along said inwardly tapered surface to remove damaged material from said coil slot wall.
- 34. (New) The method of claim 33 and including replacement of said two axially adjacent steel wedges.
- 35. (New) The method of claim 34 wherein said steel wedges are replaced with aluminum wedges.
- 36. (New) The method of claim 35 wherein said steel wedges are replaced with wedges of the same material.